

### Abstract

Method for determining the position of defective shielding of a coaxial cable or connector in a coaxial cable network

A first signal ( $s_1$ ) modulated by a first sound signal ( $ts_1$ ) and having a first frequency ( $f_1$ ) and a second signal ( $s_2$ ) modulated by a second sound signal ( $ts_2$ ) and having a second higher frequency ( $f_2$ ) are coupled into the coaxial cable (K). When the first signal ( $s_1$ ) is received in a receiver (E) defective shielding ( $S(d)$ ) in a region (B) is indicated by acoustic reproduction of the first sound signal ( $ts_1$ ) and, when the second signal ( $s_2$ ) is received, the position (P) of the defective shielding ( $S(d)$ ) is indicated by acoustic reproduction of the second sound signal ( $ts_2$ ).

Figure 1